

DRILLING PROGRAM
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Cement Program:

- 13 3/8 Surface Casing: Cemented to surface with 300 sx of Class C w/2% cc.
- 9 5/8 Intermediate Casing: Cemented to surface with 900 sx of Class C w/2% cc.
- 7 Intermediate Casing: Cemented to surface with 1650 sx of Class C w/2% cc.
- 4 1/2 Production Casing: Cemented to tie back to 7" (500') with 350sx.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type preventer. This unit will be hydraulically operated and the ram-type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. This BOP will be nipped up on the 13 3/8' surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface and intermediate casing and 5000 psi before drilling below 7" casing.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and a 3" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 5000 psi WP rating.

6. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with cut brine. These applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Waterloss</u>
0-400	Fresh Water (Spud)	8.6 - 8.8	32 - 35	N.C.
400-1500	Brine	9.5 - 10.1	29.0	N.C.
1500-8900	Cut Brine	9.0 - 9.4	29 - 32	N.C.
8900-12200	Brine Polyner	10.0 - 10.4	32 - 39	6-8 wl